## **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (original): Vacuum load lock semiconductor wafer processing equipment, comprising:

- a load lock chamber.
- a transfer chamber,
- a reaction chamber located above said transfer chamber, and
- a robot located outside said load lock chamber that includes a wafer transfer arm.

wherein said wafer transfer arm is adapted to operate inside said load lock chamber and inside a vacuum, and is adapted to transfer said semiconductor wafers between the load lock chamber, the transfer chamber, and the reaction chamber.

Claim 2 (currently amended): The vacuum load lock semiconductor processing equipment described in Claim 1, further comprising:

- a load lock chamber exhaust port through which gases within the load lock chamber can be evacuated,
- a transfer chamber exhaust port through which gases within the transfer chamber can be evacuated, and
- a reaction chamber exhaust port through which gases within the reaction chamber can be evacuated,

wherein said reaction chamber and said transfer chamber are evacuated by switching between said reaction chamber exhaust port and said transfer chamber exhaust port.

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Claim 3 (original): The vacuum load lock semiconductor processing equipment described in Claim 2, wherein said transfer chamber is evacuated from a position lower than said semiconductor wafers.

Claim 4 (original): The vacuum load lock semiconductor processing equipment described in Claim 1, further comprising:

an insulation separating plate adapted to separate said transfer chamber from said reaction chamber.

Claim 5 (original): The vacuum load lock semiconductor processing equipment described in Claim 1, wherein said reaction chamber comprises an insulating material.

Claim 6 (original): The vacuum load lock semiconductor processing equipment described in Claim 1, wherein said transfer chamber and said reaction chamber are configured to prevent formation of a film on an interior surface of said transfer chamber.

Claim 7 (original): A method of processing semiconductor wafers, comprising:

providing a load lock chamber, a transfer chamber, and a reaction
chamber, wherein said reaction chamber is located above said transfer chamber,

providing a robot that includes a wafer transfer arm, wherein said wafer transfer arm is adapted to operate inside said load lock chamber and inside a vacuum, and

transferring said semiconductor wafers between said load lock chamber, said transfer chamber, and said reaction chamber using said wafer transfer arm.

Claim 8 (currently amended): The method described in Claim 7, further comprising:

evacuating said reaction chamber by removing a gas within the reaction chamber through a reaction chamber exhaust port; and

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<u>evacuating</u> said transfer chamber by <u>removing a gas within the transfer</u> <u>chamber through switching between a reaction chamber exhaust port and a transfer chamber exhaust port.</u>

Claim 9 (currently amended): The method described in <u>Claim</u> 7, further comprising:

evacuating said transfer chamber from a position lower than said semiconductor wafers.

Claim 10 (original): The method described in Claim 7, further comprising: preventing a reaction gas in said reaction chamber from entering said transfer chamber by introducing an inactive gas into said transfer chamber.

Claim 11 (currently amended): The method described in Claim 7, further comprising:

preventing deposition on an interior surface of said reaction chamber by providing an insulating material on comprising—said interior surface of said reaction chamber—of an insulating material.

Claim 12 (original): The method described in Claim 7, further comprising:

preventing deposition on an interior surface of said transfer chamber by isolating said transfer chamber form said reaction chamber.